

Serial No.09/089,698
Docket No. LE9-97-123
(51832.00/4665.0)

REMARKS

Claims 1-22 and 25-39 are in the case. Claim 1 is amended to more clearly and distinctly claim the invention. No new matter is added to the case by the amendment.

Applicants greatly appreciate the courtesies extended to the undersigned by the examiner and his supervisor during the interview conducted between the undersigned and the examiner on June 28, 2000, wherein the invention and cited references were discussed. The following remarks incorporate the substance of the interview.

In the Office Action, the drawings were objected to for failure to show a TAB circuit. The examiner asserted that TAB circuit must be shown because it is "essential for a proper understanding of the disclosed invention...." Applicants respectfully disagree with the examiner. The invention is directed to a multi-purpose structure for mounting various printhead parts thereon. It is the support structure itself which is the object of the invention, not any of the items mounted on the structure. Accordingly, it is not necessary to show a TAB circuit in order for one skilled in the art to understand an invention directed to a support structure for a printhead. Furthermore, the TAB circuit was cancelled from the claims in the last response filed on March 27, 2000. Accordingly, the objection to the drawings should be withdrawn.

Claims 1, 4-7 and 10-13 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 5,084,713 to Wong in view of U.S. Patent No. 4,296,421 to Hara et al. and U.S. Patent No. 5,426,458 to Wenzel et al. Claims 2 and 3 were rejected as being unpatentable over the '713 patent in view of the '421 patent and further in view of U.S. Patent No. 5,066,964 to Fukuda et al. Claim 8 was rejected as being unpatentable over the '713 patent in view of the '421 patent and further in view of U.S. Patent No. 5,079,189 to Drake et al. Claim 9 was rejected as being unpatentable over the '713 patent in view of the '421 patent and further in view of U.S. Patent No. 5,834,689 to Cook. Claims 14, 17, 18, and 23-24 were rejected as being unpatentable over the '713 patent, in view of the '421 patent and the U.S. Patent No. 4,755,836 to Ta

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et al. Claims 15 and 16 were rejected as being unpatentable over the '713 patent, in view of the '421 patent and the '836 patent and further in view of the '964 patent. Claims 19 and 20 were rejected as being unpatentable over the '713 patent, in view of the '421 patent and the '836 patent and further in view of the '458 patent. Claim 21 was rejected as being unpatentable over the '713 patent in view of the '421 patent and the '836 patent and further in view of the '189 patent. Claim 22 was rejected as being unpatentable over the '713 patent in view of the '421 patent and the '836 patent and further in view of the '689 patent. Claims 25-28 and 31 were rejected as being unpatentable over the '713 patent in view of the '964 patent and the '836 patent. In addition, U.S. Patent No. 5,278,584 to Keefe et al. was cited against these claims. Claims 29-30 were rejected as being unpatentable over the '713 patent in view of the '964 patent and the '836 patent and further in view of the '458 patent. Claims 32 and 38-39 were rejected as being unpatentable over the '713 patent in view of the '421 patent and the '584 patent. Claims 33-35 were rejected as being unpatentable over the '713 patent in view of the '421 patent and the '584 patent and further in view of the '964 patent. Claims 36 and 37 were rejected as being unpatentable over the '713 patent in view of the '421 patent and the '584 patent and further in view of the '458 patent. All the rejections and objection are respectfully traversed.

It was admitted during the interview that the present claims avoid the '713 patent to Wong which describes using an internal cooling system to cool the resistor assembly and leads away from use of a metal heat sink or heat conducting fins attached to the resistor assembly. (See column 2, lines 14-16 and column 1, lines 45-50 of the '713 patent). In view of the fact that the '713 patent teaches away from the invention, and the '713 patent is applied as the primary reference in each of the rejections, the rejection of the claims is untenable and should be withdrawn.

As set forth by the undersigned during the interview, the claimed invention calls for a structure for an ink jet printer comprising a substrate holder having a top surface having a perimeter. To top surface of the substrate holder also contains one or

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more substrate locator wells, each of the wells having a base and at least one ink feed slot disposed in the base of the wells. The substrate holder also contains side walls attached to the top surface along the perimeter thereof. At least one of the side walls contains fins for convectively removing heat from the substrate holder. It is Applicants' position that the combined references fail to provide all of the elements of the claimed invention.

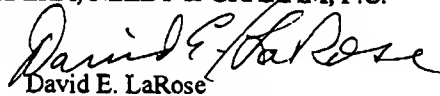
With regard to the references cited in the office action, Applicants wish to incorporate herein their response filed March 27, 2000, which discussed each of the other references as applied to the claims and the failure of the combined references to provide the claimed invention. The combined references fail to suggest cooling fins on at least one side wall surface of a substrate carrier, the substrate carrier having one or more substrate locator wells and at least one ink feed slot in each of the wells. It is believed, based on the interview conducted between the undersigned and the examiner, referenced above, that Applicants need not restate their position with regard to the cited references in this response as Applicants' position is unchanged from the position they took in the response filed on March 27, 2000.

It is believed that this amendment and the interview are fully responsive to the office action dated May 4, 2000, and no further action need be taken by Applicants. Accordingly, Applicants respectfully submit that Claims 1-22 and 25-39 as amended are patentable over the cited references. Applicants therefore request that all of the rejections be withdrawn and Claims 1-22 and 25-39 be allowed at the earliest convenience.

Respectfully submitted,

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